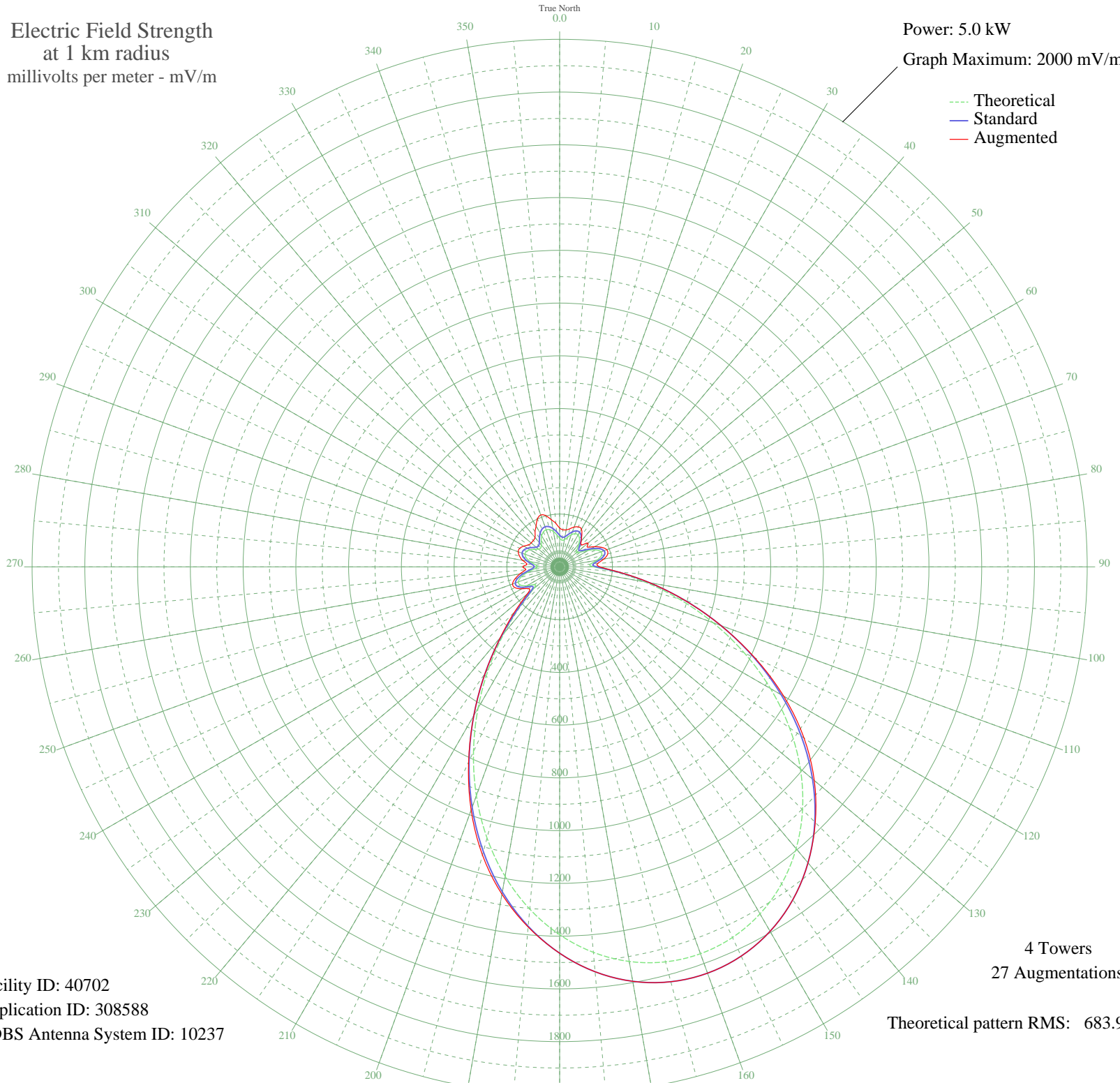


# WLBH MATTOON, IL BL-- 1170 kHz

Daytime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 40702  
Application ID: 308588  
CDBS Antenna System ID: 10237

4 Towers  
27 Augmentations

Theoretical pattern RMS: 683.97

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	108.44	120.00	147.25
5	101.25	112.86	141.11
10	104.48	116.06	142.43
15	116.01	127.57	149.51
20	129.46	141.12	160.42
25	138.71	150.49	167.14
30	139.68	151.47	165.14
35	130.69	142.36	146.34
40	113.09	124.64	126.83
45	93.03	104.77	117.15
50	84.05	96.05	140.01
55	97.76	109.42	129.52
60	125.51	137.12	152.89
65	151.95	163.99	175.02
70	166.67	179.05	189.90
75	163.77	176.08	188.58
80	142.85	154.71	169.60
85	116.75	128.31	144.46
90	129.12	140.77	152.61
95	207.61	221.26	224.31
100	326.84	345.27	346.42
105	467.48	492.31	492.31
110	618.81	650.86	650.86
115	772.86	812.39	816.90
120	923.04	969.93	981.22
125	1063.94	1117.78	1130.84
130	1191.37	1251.51	1260.28
135	1302.26	1367.90	1370.58
140	1394.57	1464.79	1464.79
145	1467.06	1540.88	1540.88
150	1519.09	1595.49	1595.49
155	1550.36	1628.32	1628.32
160	1560.79	1639.27	1639.27
165	1550.36	1628.32	1628.32
170	1519.09	1595.49	1595.49
175	1467.06	1540.88	1540.88

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1394.57	1464.79	1464.79
185	1302.26	1367.90	1370.58
190	1191.37	1251.51	1260.28
195	1063.94	1117.78	1130.84
200	923.04	969.93	981.22
205	772.86	812.39	816.90
210	618.81	650.86	650.86
215	467.48	492.32	492.32
220	326.84	345.27	349.41
225	207.62	221.26	241.40
230	129.12	140.77	160.28
235	116.75	128.31	143.71
240	142.85	154.71	166.01
245	163.77	176.08	186.66
250	166.67	179.05	189.90
255	151.95	163.99	175.02
260	125.51	137.12	152.89
265	97.76	109.42	129.52
270	84.05	96.05	140.01
275	93.03	104.77	124.23
280	113.09	124.64	142.13
285	130.69	142.36	157.47
290	139.68	151.47	167.19
295	138.71	150.49	166.77
300	129.46	141.12	156.99
305	116.01	127.57	144.82
310	104.48	116.06	140.80
315	101.25	112.86	141.06
320	108.44	120.00	145.60
325	121.99	133.57	162.56
330	135.97	147.71	178.89
335	145.97	157.88	199.59
340	149.56	161.54	209.21
345	145.97	157.88	200.47
350	135.97	147.71	181.55
355	121.99	133.57	165.72